Ten Mile Allotment: Order Canyon

Mary O'Brien Grand Canyon Trust

The small creek downstream from Price Spring is being incised deeply via headcuts (Fig. 1), and is leading to tributary incisions into the main incision (Fig. 2). Cattle are trailing into and along the creek (Fig. 3), and the isolated uplands are being denuded through over-grazing (Fig. 4).

Major concerns:

- Violation of riparian utilization standards
- Isolation of the creek from the surrounding slopes through headcutting, erosion, and trampling
- Expansion of headcutting from tributaries into the incised creek

It's not clear what can reverse this (literally) downward trajectory, short of a sediment-catching mechanism and protection from trailing down to and inside the channel. The Collaboration would benefit from a hydrologist looking at this water course. It's daunting.



Fig. 1 Ten Mile: 4'-5' headcut within creek from Price Spring.



Fig. 2. Ten Mile: Erosion into the creek from tributary into the major channel



Fig. 3. Ten Mile 9/9/08. Cattle above incised creek. (Cattle were scheduled to be out of Price-Cougar Pasture by Aug. 4



Fig. 4. Ten Mile 9/9/08. Overgrazed uplands adjacent to incised creek